

PATENT COOPERATION TREATY 29 OCT 2004

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference P17249WO	FOR FURTHER ACTION See Form PCT/IPEA/416	
International application No. PCT/SE2003/000520	International filing date (day/month/year) 01-04-2003	Priority date (day/month/year) 05-11-2002
International Patent Classification (IPC) or national classification and IPC G06F9/46, H04L29/06		
Applicant Telefonaktiebolaget LM Ericsson et al		

- This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
- This REPORT consists of a total of 6 sheets, including this cover sheet.
- This report is also accompanied by ANNEXES, comprising:
 - ☐ (sent to the applicant and to the International Bureau) a total of _____ sheets, as follows:
 - ☐ sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).
 - ☐ sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.
 - ☐ (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).

- This report contains indications relating to the following items:

- | | | |
|-------------------------------------|--------------|---|
| <input checked="" type="checkbox"/> | Box No. I | Basis of the report |
| <input type="checkbox"/> | Box No. II | Priority |
| <input type="checkbox"/> | Box No. III | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability |
| <input type="checkbox"/> | Box No. IV | Lack of unity of invention |
| <input checked="" type="checkbox"/> | Box No. V | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input checked="" type="checkbox"/> | Box No. VI | Certain documents cited |
| <input type="checkbox"/> | Box No. VII | Certain defects in the international application |
| <input type="checkbox"/> | Box No. VIII | Certain observations on the international application |

Date of submission of the demand 07-05-2004	Date of completion of this report 21-10-2004
Name and mailing address of the IPEA/SE Patent- och registreringsverket Box 5055 S-102 42 STOCKHOLM Facsimile No. +46 8 667 72 88	Authorized officer Lisbeth Andersson/MN Telephone No. +46 8 782 25 00

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2003/000520

Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

- ☐ This report is based on a translation from the original language into the following language _____, which is the language of a translation furnished for the purposes of:
- ☐ international search (under Rules 12.3 and 23.1(b))
 - ☐ publication of the international application (under Rule 12.4)
 - ☐ international preliminary examination (under Rules 55.2 and/or 55.3)

2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:

- ☒ the international application as originally filed/furnished
- ☐ the description:
- pages _____ as originally filed/furnished
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☐ the claims:
- pages _____ as originally filed/furnished
- pages* _____ as amended (together with any statement) under Article 19
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☐ the drawings:
- pages _____ as originally filed/furnished
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to the sequence listing (*specify*): _____

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to the sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2003/000520

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	<u>1-45</u>	YES
	Claims		NO
Inventive step (IS)	Claims	<u>1-45</u>	YES
	Claims		NO
Industrial applicability (IA)	Claims	<u>1-45</u>	YES
	Claims		NO

2. Citations and explanations (Rule 70.7)

Documents cited in the International Search Report:

D1: WO0190883

D2: WO9963737

D3: WO9944121

Documents D1-D3 have been re-evaluated by this Authority and are considered to represent the general state of the art, see arguments below. The invention defined in claims 1-45 is not disclosed by any of these documents. The cited prior art does not give any indication that would lead a person skilled in the art to the claimed telecommunication system, which has a receiver framework arranged for communicating with a donor framework through an application programming interface, so that service capability features specified in the donor service domain, are accessed. Therefore, the claimed invention is not obvious to a person skilled in the art.

Accordingly, the invention defined in claims 1-45 is novel and is considered to involve an inventive step. The invention is industrially applicable.

The problem to be solved is to provide means and methods for enabling the execution of an application in a user's home network that makes use of network services from a network in another domain, such as a visited network, through the OSA/PARLAY interface. The user's home network and the visited network belong to different domain operators, and wherein the network services are not registered in the user's home network. Another object of the present invention is to enable a domain offering service capabilities from another domain in addition to those offered by each domain itself [see paragraphs 0018 and 0019 in the description].

.../...

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of: BOX V

The invention contains a telecommunication system that has a receiver framework arranged for communicating with a donor framework through an open service access (OSA) application programming interface (API), so that the service capability features specified in a number of service enablers of a donor service domain, are accessed. Since an application programming interface is network independent, the evolution of core network technology without impact on service application is enabled, and also allows the service application to work in different types of core networks.

D1 describes a method for remotely invoking functions in a heterogeneous distributed computing environment including web-centric and Internet-centric distributed computing environments. This method enables clients to find transient documents and services by providing a mechanism to find general purpose documents which are expressed in a platform-independent and language-independent typing such as that provided by XML. This allows remote Java objects to behave as local Java objects by provision of method gates, and enables clients to invoke a computer programming language method on a service without actually generating a computer programming language method call [see e.g. the abstract and claims 1-16].

D2 describes a system that permits remote telecommunication services to automatically invoke a desired service at a desired time without requiring the user's presence during invocation. The desired time and data of invocation of a desired service is programmed in an information storage unit. A time sorter coupled to the storage unit accesses and sorts the services in chronological order according to the invocation times. An output signal is programmed to be automatically produced at a desired time to automatically invoke, at the remote provider, the desired service.

D3 describes a system for performing dynamic distributed computing over a network by allowing the client to select a server from a network to process task based on server availability or specialized server processing capabilities.

.../...

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of: BOX V

The system dynamically downloads a code on a computer server and executes the code on it and returns results to the calling client method. This technique does not require multiple copies of code to be downloaded nor compiled since the server code can be executed on all the different systems. The system code is generally compiled locally on the client and downloaded to the server as byte-code and is then executed.

Consequently, the cited documents D1-D3 do not describe either the problem or solution described in the invention.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2003/000520

Box No. VI Certain documents cited

1. Certain published documents (Rule 70.10)

Application No. Patent No.	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
US6487607B1	26-11-2002	20-03-1998	
WO0300762A1	23-01-2003	12-07-2002	13-07-2001

2. Non-written disclosures (Rule 70.9)

Kind of non-written disclosure	Date of non-written disclosure (day/month/year)	Date of written disclosure referring to non-written disclosure (day/month/year)